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Serial No. 10/537,540  
January 23, 2009

**AMENDMENTS TO THE SPECIFICATION:**

**Page 1, immediately preceding the paragraph commencing “The wide availability of digital sensor...” insert the following heading, sub-headings and paragraph:**

**BACKGROUND**

**1. Technical Field**

This application involves retrieval of stored images with metadata.

**2. Related Art**

**Page 1, line 18: delete “Prior Art”**

**Page 4, 1<sup>st</sup> full paragraph:**

More formally, in this method (full details of which are given in our ~~European~~ International patent application WO 03/081523 02252097.7), a first image (or other pattern) is represented by a first ordered set of elements A each having a value and a second pattern is represented by a second such set. A comparison of the two involves performing, for each of a plurality of elements x of the first ordered set the steps of selecting from the first ordered set a plurality of elements x' in the vicinity of the element

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x under consideration, selecting an element y of the second ordered set and comparing the elements x' of the first ordered set with elements y of the second ordered set (each of which has the same position relative to the selected element y' of the second ordered set as a respective one x of the selected plurality of elements of the first ordered set has relative to the element x under consideration). The comparison itself comprises comparing the value of each of the selected plurality of elements x' of the first set with the value of the correspondingly positioned element y' of the like plurality of elements of the second set in accordance with a predetermined match criterion to produce a decision that the plurality of elements of the first ordered set matches the plurality of elements of the second ordered set. The comparison is then repeated with a fresh selection of the plurality of elements x' of the first set and/or a fresh selection of an element y of the second ordered set generating a similarity measure V as a function of the number of matches. Preferably, following a comparison resulting in a match decision, the next comparison is performed with a fresh selection of the plurality of elements x' of the first set and the same selection of an element y of the second set.

**Page 4, line 28: delete “Invention” and insert the following heading:**

SUMMARY

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**Page 4, 2<sup>nd</sup> full paragraph:**

According to the present ~~invention~~ exemplary embodiment there is provided a method of retrieval of stored images stored with metadata for at least some of the stored images, the metadata comprising at least one entry specifying

**Page 5, paragraph commencing at line 8:**

Other aspects of the ~~invention~~ exemplary embodiments are set out in the other claims.

**Page 5, line 9: delete “Examples” and insert the following heading:**

**BRIEF DESCRIPTION OF THE DRAWINGS**

**Page 5, paragraph commencing at line 10:**

Some exemplary embodiments of the invention will now be described, by way of example, with reference to the accompanying drawings, in which:

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**Page 5, immediately preceding the paragraph commencing at line 14, insert the following heading:**

**DETAILED DESCRIPTION OF EXEMPLARY EMBODIMENTS**

**Page 5, line 24: delete "Basic Method"**

**Page 6, 2<sup>nd</sup> full paragraph:**

The retrieval process begins at Step 1 with the display of some initial images from the database. These could be chosen (1a) by [[come]] some conventional method (such as keywords) or (1b) at random. At Step 2 a "held image" counter is set to zero and, immediately the images are displayed, a timer defining a duration T is started (Step 3). During this time the user looks at the image and the system notes which of the images, and more particularly which parts of the images, the user finds to be of interest. This is done using the gaze tracker 10 which tracks the user's eye movement and records the position and duration of fixations (i.e., when the eye is not moving significantly). Its output takes the form of a sequence of reports each consisting of screen coordinates  $x_s$ ,  $y_s$  and the duration  $t$  of fixation at this point.

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**Page 8, line 4: delete “Setting up the Database”**

**Page 8, line 28: delete “External Images”**

**Page 9, line 3: delete “Variations”**

**Page 12, line 9: delete <http://www.artisteweb.org/> and insert:**

Website for “artisteweb” dot “org”

**Page 15, top of page: delete “CLAIMS” and insert the following heading:**

WHAT IS CLAIMED IS: